

IN THE ABSTRACT

Please replace the abstract with the following abstract:

A method for producing a ceramic coating of metallic and/or ceramic surfaces and products in reactors, process plants and combustion plants includes applying a mixture of fine-particle boron nitride, at least one inorganic binding agent of medium particle size in the nanometer range, containing substantially Al_2O_3 , $\text{AlO}(\text{OH})$, ZrO_2 , Y-ZrO_2 , TiO_2 , Fe_2O_3 and/or SnO_2 or an associated precursor compound and at least one solvent and/or water onto a metallic and/or ceramic surfaces or product, and burning the applied mixture into a coating through heating.